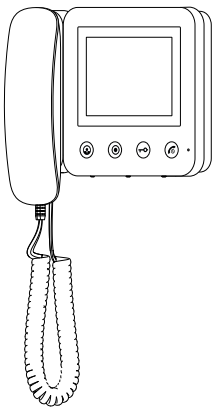
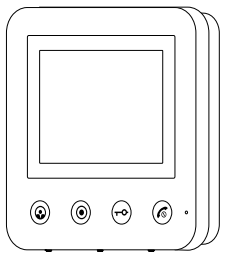
Specification

Item \ Model	E400C-T	E401C-T
Display screen	4" color TFT	
Power supply	AC110-240V ~50Hz/60Hz 10W or DC13.5V/1.5A	
Connection	In series	
Talk	Handset (E400C-T series)	Hands-free (E401C-T series)
Power consumption	13.5V, 550mA (max.)	
Optional ringtone	Chord music and ding-dong sound	
Color system	Automatically switch	
Operation temperature	-10℃ to +55℃	
Optional indoor extension	IIS 2-wired indoor unit	
Optional outdoor unit	IIS 2-wired outdoor unit	

TOP WAY INTELLIGENT SCIENCE & TECHNOLOGY CO.,LTD.
Sino-American Joint Venture
www.iis-home.com

2-WIRED VIDEO DOOR PHONE
—4" TFT INDOOR MONITOR





☐ E400C-T
☐ E401C-T

CE FC UL R&TTE RoHS
ISO9001 ISO14001 OHSAS18001

Content

Product Introduction ····· 2
Features and Parts ····· 3
Operation ····· 4
Special function ····· 11
LED\Voice statement ····· 13
Trouble shooting guide ····· 14
Specification ····· 15

First thank you for purchasing our intercom system, before installing please read the instruction carefully and according to the direction correctly install and use it.Please query your dealer for more information.

Products Introduction

General features

- Kinds of chord ringtones (optional)
- Four levels ring adjustable
- Outdoor monitoring, remote unlocking
- Chrominance and brightness adjustable
- Support multiple indoor monitors (max. to 4pcs monitor)
- Pedal control for talk / 2nd door call function (optional)
- No bother (mute) function

CAUTION: To avoid the risk of electric shock, please don't remove cover or back. Please ask professional person if maintenance needed.

Remind users that important operation and maintenance guide are included in the attached user's manual.

Remark:

* IIS reserves the right to change or modify designs and specifications without any prior notice for the improvement and promotion of products' quality. Please refer to the real products.

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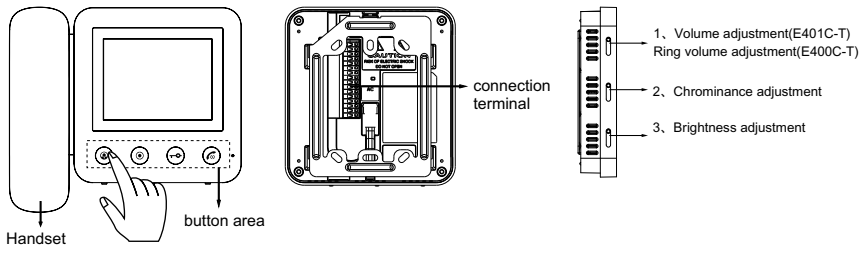
Feature and parts



Monitor button / no bother LED — Unlock / Ring select button
Intercom button — Talk & Power button / LED

Notice

1.Key functions of E400C-T (with handset) have no difference with E401C-T except talk button.
2.Under operation, please press the centre of button (as the above picture indicate)

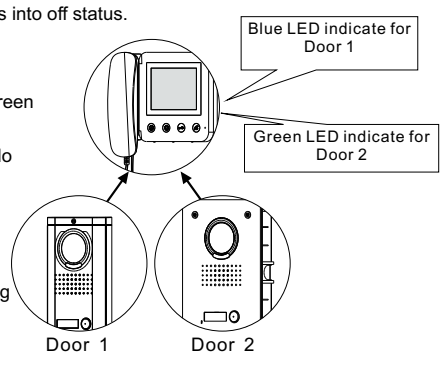
Operation

1、ON/OFF

a. After the intercom is connected with the power supply, the red LED of the button will always keep lighting, means the intercom turns into standby status.
The intercom in power – off status,press button and wait until hearing "DI", means the intercom turns into standby status.
b. The intercom in standby status, press and hold button till hearing "DI DI", meanwhile the power LED turns off, means the intercom turns into off status.

2、Outdoor unit call remind

a. When outdoor unit calls in, the indoor unit's screen will display the image, meanwhile the blue (or green) LED flashes, and sounds the ring. No ringing under no bother status.
Remark: blue LED indicate Door 1, green LED indicate Door 2.
b.Indoor unit and outdoor unit under talk status, if the other outdoor unit calls, the corresponding LED would be alternately flashes 8 times, but no ringing at this moment.



3、Monitoring outdoor unit

Under standby status, press button to monitor Door 1 / Door 2, repeatedly pressing button, you can circularly monitor outdoor (Door 1 – Door 2 - Exit). If only one outdoor unit is connected, repeatedly pressing button you can circularly monitor door (Door 1 - Exit)
Remark: Under monitor status, the screen can be only displayed image without voice, and cannot unlock the door.

4、Talk / Stop

a. Calling turns into talking
In the status that outdoor unit calls indoor unit or indoor unit monitors outdoor unit, for E400C-T, as soon as you pick up handset (for E401C-T only need to press button), you can talk with outdoor unit, and meanwhile the corresponding outdoor unit's LED turn light (the blue LED indicated Door 1, the green LED indicated Door 2).
b. Monitoring turns into talking
Indoor unit in the monitoring status, you can pick up handset of the indoor unit E400C-T (for E401C-T only need to press the button) to enter into talk status.
c. Standby status turns into talking
The system only connect with one outdoor unit, press button, the screen will show the outdoor image, talk with outdoor directly (for E401C-T)
Remark: Using E400C-T you still need to pick up the handset to be able to talk with outdoor unit.
d. Hang up
Under talk status, hang up the handset to exit the status (for E400C-T), or press button to exit (for E401C-T). You can also wait 90 seconds up to automatic exit and that power LED lights.

5、Unlock

Under talk status, press to unlock the door.
The default of unlocking time is three seconds. If you press and hold button, indoor unit will be always in unlocking status, the longest extended time can be up to 10 seconds.
Remark: Equipping the outdoor unit with the electronic lock you can realize unlocking function.

6、Ringtone selection

Press and hold button , you'll hear the current ringtone. The ringtone can be changed per pressing button. Press button to exit, or you can wait 30 seconds up to automatic exit.
Remark: As default the selected ringtone will be automatically assigned to Door 1, the next ringtone after it will be assigned to Door 2.

7、Ringtone volume adjustment (for E401C-T)

In the process of ringtone selection, the ringtone volume will switch between the first level and fourth level per pressing button, meanwhile the corresponding LED will twinkle.
Remark: No bother LED (green):The first level
Intercommunication call LED (green):The second level
Unlock LED (green):The third level
Door 2 LED (green):The fourth level

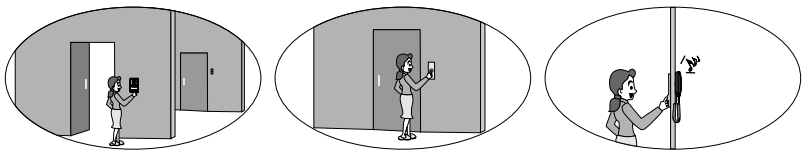
8、No bother function settings

Under standby status, press and hold button till it sounds "DI", meanwhile LED turns light,

no bother setting succeed.
Under standby status, press and hold button till it sounds “DI DI”, meanwhile LED turns off, to quit no bother setting succeed.
Remark: LED indicate no bother LED.

9、2nd door calling function (optional)

1.The display screen in the status of shutting down display, if you press the 2nd door button, the indoor unit will ring
2.The display screen in the status of long light, if you press the 2nd door button, no bother LED flash, but no ringing. The ring or flashing LED will be turned off after 8 seconds.



Outdoor calling 2nd door calling

10、Pedal control for talk function (optional)

If system connected with two outdoor units and under standby status, while pressing the pedal control switch in multiple times, you can circularly monitor outdoor (Door 1- Door 2 - Exit).
If only one outdoor unit is connected, repeatedly pressing the switch you can circularly monitor outdoor (Door 1 - Exit)
Remark: The function is default to be closed under factory setting.

11、Intercommunication (suitable for multiple monitors)

a. If system connect two indoor units, under standby status, pressing button and waiting until hearing “DI”, then pressing button, you can immediately call the other indoor unit.
b. If system connect more than two indoor units, monitor A want to call monitor B, press button in multiple times to choose monitor B’s number. Then press button to call monitor B.
For example: Want to call monitor 3, you can press button until unlocking LED flashes, then press button to call monitor 3.
Remark: the LED flash indicate corresponding room number:
no bother LED (green):No. 1 Unlock LED (green):No. 2
intercommunication LED (green):No. 3 Door 2 LED (green):No. 4
In the process of a & b operations, there is a waited time gap of 4 seconds to operate next step when you press first time, if within 4 seconds you don’t press / button again, you have to repeat the above operation.

12、Outdoor unit call transferring (suitable for multiple monitors)

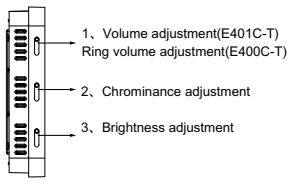
When indoor and outdoor units under talking status, you want to transfer the call to the other monitor, the operation is same as intercommunication operation. Under indoor and outdoor units talking status,others will enter into busy status.

13、Busy status

a. When one monitor is under talking or monitoring status, other monitors will enter into busy status.
b. When two monitors are under talking status, other monitors will enter into busy status. After finish talking, all the monitors will back to standby status.

14、Talking volume adjustment

E401C-T: During talking, adjust the volume adjustment switch to change the indoor unit’s talking volume.
E400C-T: During calling, adjust the volume adjustment switch to change the ring volume as well as the button volume.



15、Chrominance\brightness adjustment

In the process of turning on the screen, to adjust chrominance and brightness switch can change the relevant effect.

16、Alarm caused by identical room number (suitable for multiple monitors)

If in the system more than two indoor units have same room number, the monitor will sound “DI” at intervals. On this occasion you need to reset the room number in order to avoid conflict caused by the same room number. If there is still alarms after reset, you have to restart power supply.

17、Communication problem alarm (suitable for multiple monitors)

If indoor unit sounds “DI DI” every 3 seconds, which means the communication problem between indoor units. Please check the circuit or whether main indoor unit has been closed. After troubleshooting, press or to connect with outdoor unit, the alarm will be automatically cancelled. (Only in the case that monitoring or talking function is been operated more than 6 times, the indoor unit would sound the alarm.)

18、Switch of monitoring scene (Outdoor camera – CCTV camera)

When outdoor unit calls in, press button, you can see the CCTV image which connect on the outdoor camera. Press the button again, you can see the outdoor camera image.
When indoor unit is under monitoring, or talking with outdoor camera, long press button, you will hear “DI DI”, then the image would be switched to the CCTV image which connected on the outdoor camera.

19、Open circuit alarm of outdoor unit

Under standby status, the indoor unit will continuously sound “DI” and LED will be flashed if the outdoor unit is open circuit. The alarm will be automatically stopped after 10 times sound, only left the corresponding LED to remind. (The indoor unit cannot automatically inspect the open circuit condition under talk and monitor status.)
Remark: LED indicated Door 1, LED indicated Door 2.

Special function

If not special circumstance, please don’t reset the room number under the circumstance that the system can normally run. Misoperation will cause the system improper work.

1、Initialization

Under standby status, long press the button and wait until it successively sound “DI-DI-DI”, release the button, the indoor unit will sound to remind successfully initialization.
If you don’t relesae the button after three sound “DI”, the indoor unit will sound “DU” means operation failed.

2、Manually setting room number

Under standby status, press the button 3 seconds and wait till the indoor unit sound “DI DI”, enter into room number manually setting. The four LED indicate the corresponding room number.
: main indoor unit : indoor extension2
: indoor extension3 : indoor extension 4
If no corresponding LED light on, means no room number exist. While setting room number, you can switch to the relevant room number per pressing the button, meanwhile the corresponding LED will light, after that, you must press the button to save your settings.
Remark: 1. The system will exit from the setting status if there isn’t any operation within ten seconds;
2. Main indoor unit cannot set the room number.

3、Automatically setting room number

a. While there is only one indoor unit, as long as you connect with outdoor unit, the settings of room number can be successful.

b. While there are two indoor units, you must first initialize indoor units, then let outdoor unit call indoor unit. You can close the call after two indoor units ringing and 2-3 seconds pass, room number setting is succeed.

c. While the quantity of indoor units is over 2pcs, you must first initialize all indoor units, then switch on the main indoor unit and another indoor unit which you prefer to set as No.2, then let outdoor unit call indoor unit. You can close the call after two indoor units ring and 2-3 seconds pass; switch on the other indoor unit which you prefer to set as No.3, and let outdoor unit call indoor unit. You can close the call after indoor units ring and 2-3 seconds pass. Same operation for the No.4 indoor unit.

LED\Voice statement

1、LED statement

LED lights (red)	The indoor unit in the status of power-on
LED lights (green)	The indoor unit in mute status (no bother state)
LED flashes (green)	The second door call
LED flashes (green)	Door 1 in open circuit status
LED flashes (green)	Door 2 in open circuit status
LED flashes (blue)	Door 1 call
LED flashes (green)	Door 2 call
LED alternately flashes (blue/green)	The other outdoor unit call
Four green lights in the panel all light	Indoor unit in standby status

2、Voice indication statements

1. “DI” at intervals: means same room number in two indoor units
2 . “DI DI” at intervals: means indoor unit has communication problem
3. “DU”: means the function is forbidden
4. Long “DI”: means the indoor unit is switched on.
5. “DI” with LED flashes: means Door 1 open circuit.
6. “DI” with LED flashes: means Door 2 open circuit.

Trouble shooting guide

Problem	Possible cause	Solution
The unit is no reaction.	1. The unit is not connected with power supply; 2. The unit is under the status of power-off	1. Check whether the power supply adaptor or AC power supply cable is good inserted into the socket. 2. Reference to operation item "1. ON/OFF".
Outdoor unit could not call	1. The connection of outdoor unit with indoor unit disconnect. 2. The main indoor unit is under the status of power-off.	1. Check whether the connection of outdoor unit with indoor unit is disconnected. 2. Reference to operation item "1. ON/OFF".
Cannot monitor outdoor unit	1. Room number haven't been set. 2. The connection of outdoor unit with indoor unit disconnect.	1. Reset the room number referring to the second item “ Manually setting room number” in the special function; 2. Troubleshoot the wiring between indoor unit and outdoor unit.
Indoor unit discontinuously sound "DI" (if multi-indoor units)	1. The main indoor unit is under power-off status. 2. The wire which connect with the main indoor unit is disconnected.	1. Reference to operation item "1. ON/OFF". 2. Troubleshoot the wiring between the problem indoor unit and main indoor unit.
Indoor unit continuously sound “DI” (if multi- indoor units)	There are two indoor units with the same room number.	Reset the room number referring to the second item “ Manually setting room number” in the special function.
Outdoor unit cannot call, indoor unit cannot monitor outdoor unit and sound “DI DI” at intervals	The main indoor unit is under the status of power-off.	Reference to operation item "1. ON/OFF".
Outdoor unit can hear the voice of indoor unit, but the outdoor unit voice heard by indoor unit is smaller than normal (for E401C-T)	Smaller talking volume	Referring to “talking volume adjustment” adjust the volume to the relevant position.
Outdoor unit cannot call and indoor unit and the indoor cannot monitor or talk when there is only one indoor unit.	The wiring between the indoor unit and outdoor unit disconnect.	Troubleshoot the connection wiring between indoor unit and outdoor unit.